

SEQUENCE LISTING

<110> KANO, RUI
HASEGAWA, ATSUSHIKO
INOUE, CHIKA

<120> CANINE CD20 GENE

<130> 8062-1040

<140> 10/588,903

<141> 2006-08-09

<150> PCT/JP05/001880

<151> 2005-02-09

<150> JP 2004-033810

<151> 2004-02-10

<160> 20

<170> PatentIn Ver. 3.3

<210> 1

<211> 297

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<213> Canis familiaris

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Arg	Met	Pro	Ser	Val	Val	Gly	Pro	Thr	Gln	Asn	Phe	Phe	Met	Arg	Glu	35	40	45	
Ser	Lys	Thr	Leu	Gly	Ala	Val	Gln	Ile	Met	Asn	Gly	Leu	Phe	His	Ile	50	55	60	
Ala	Leu	Gly	Ser	Leu	Leu	Met	Ile	His	Thr	Asp	Val	Cys	Ala	Pro	Ile	65	70	75	80
Cys	Ile	Thr	Met	Trp	Tyr	Pro	Leu	Trp	Gly	Gly	Ile	Met	Phe	Ile	Ile	85	90	95	
Ser	Gly	Ser	Leu	Leu	Ala	Ala	Ala	Asp	Lys	Asn	Pro	Arg	Lys	Ser	Leu	100	105	110	
Val	Lys	Gly	Lys	Met	Ile	Met	Asn	Ser	Leu	Ser	Leu	Phe	Ala	Ala	Ile	115	120	125	
Ser	Gly	Ile	Ile	Phe	Leu	Ile	Met	Asp	Ile	Phe	Asn	Ile	Thr	Ile	Ser	130	135	140	
His	Phe	Phe	Lys	Met	Glu	Asn	Leu	Asn	Leu	Ile	Lys	Ala	Pro	Met	Pro	145	150	155	160

Tyr Val Asp Ile His Asn Cys Asp Pro Ala Asn Pro Ser Glu Lys Asn
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 Ser Leu Ser Ile Gln Tyr Cys Gly Ser Ile Arg Ser Val Phe Leu Gly
 180 185 190
 Val Phe Ala Val Met Leu Ile Phe Ala Phe Phe Gln Lys Leu Val Thr
 195 200 205
 Ala Gly Ile Val Glu Asn Glu Trp Lys Lys Leu Cys Ser Lys Pro Lys
 210 215 220
 Ser Asp Val Val Val Leu Leu Ala Ala Glu Glu Lys Lys Glu Gln Pro
 225 230 240
 Ile Glu Thr Thr Glu Glu Met Val Glu Leu Thr Glu Ile Ile Ala Ser
 245 250 255
 Gln Pro Lys Lys Glu Glu Asp Ile Glu Ile Pro Val Gln Glu Glu Glu
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<210> 2

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<212> PRT

<213> Canis familiaris

<400> 2

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Glu Lys Asn Ser Leu Ser Ile Gln Tyr Cys Gly Ser
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<210> 3

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<213> Canis familiaris

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 atctctgttca aaaaataatt cccaaaagga tgccttcagt ggtgggccct acacaaaact 180
 tcttcattgag ggaatctaag acactggggg ctgtccagat tatgaatggg ctcttcacca 240
 ttgcctcagg cagcctctctg atgattcaca cggatgtctg tgcgcccatc tgtataacta 300
 tgtggtaccc tctctgggga ggcattatgt tcatcatttc tggatcactc ctggcagcag 360
 cggacaaaaa ccccggaag agtttggtca aaggaaaaat gataatgaac tcattgagcc 420

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ccattttttt taaaattggag aatttgaatc ttatttaagc tcccatggca tatgttgaca 540
tacacaactg tgacccagctg aaccctctg agaaaaactc tttatctata caatatgtgtg 600
gcagcatacg atctgttttc ttgggcgttt ttgctgtgat gctgattttt gccttcttcc 660
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cagaagaatat gtttgagctg actgaaatag ctcccaaac aaagaaagaa gaagacattg 840
aaattattcc agtccaagaa gaagaagggg aactggaaat aaacttttga gaacctctcc 900
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auccguuuaa aaaaauaaau cccaaaagg ugcuuucagu ggugggccc acacaaaacu 180
ucuucuaugag ggaaucuaag acacuggggg cuguccagau uaugaauggg cucuuccaca 240
uugcccuagg cagccuccug augauucaca cggaugucug ugcgccauc uguuaaacia 300
uugguuaccc ucucuggggg ggcauuuau ucaucauuuc uggaucacuc cuggcagcag 360
cggacaaaaa ccccagggaag aguugguuca agggaaaaau gauaauagac ucauugagcc 420
ucuuugcugc cauuuucugga auaauuuuuu ugaucaugga cauaauuaau auuaccuuuu 480
cccauuuuuu uaaaauggag aaauugaauc uuauuaagc ucccaugcca uauguugaca 540
uacacacacug ugacccagcu aaccuccug agaaaaacuc uuuaucuaau caauuuugug 600
gcagcauacg aucuguuuuc uugggcuuuu uugcugugau gcugauuuu ccuucuuucc 660
agaaacuugc gacagcuggc auuguugaga augaaugaa aaaaacuguc ucuaaacuaa 720
aaucugaugu aguuguucug uuagcugcug aagaaaaaaa agaacagccg auugaaacia 780
cagaagaaau ggauugagcug acugaaaaug cuucccaac aaagaaagaa cauggaguga 840
aaauuuuucc aguccaagaa gaagaaaggg aacuggaaau aaacuugca gaaccucccc 900
aggagcagga aucuuaccca auagaaaacg acagcaucc uuaaguaacg uuuuuccuuu 960
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ccacagcucg cuugcgcuaug cucgcucucu uucucuaug cagaggauug agccauugca 1140
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<210> 5
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<212> DNA
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tattgtggca gc 132

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 <220>
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 <210> 7
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 <210> 8
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 <212> DNA
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 <220>
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 <210> 9
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 <220>
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 <220>
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 <210> 14
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<210> 19
<211> 23
<212> DNA
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<220>
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<210> 20
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<212> DNA
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20